

# WEB DESIGN & DEVELOPMENT AAS

The Web Design & Development Associate's Degree prepares students with the skills necessary for organizational web design, development, and management. Course work includes applying current trends in web technology, standards, and applications to real-world projects. Successful students will be able to work in development teams and effectively communicate in the web design and development industry.

Upon completion of this degree, students will:

- Describe and define the roles of a web designer and web developer
- Demonstrate the ability to publish and update web sites and set up a domain
- Construct and design a web page, site, and application using standards-driven HTML and CSS
- Implement event-driven programming on a web page using JavaScript
- Distinguish between content management systems and demonstrate their use and utility
- Complete a web design and development portfolio
- Demonstrate understanding of web-based graphic design, image editing, and design layout
- Compare JavaScript frameworks and demonstrate their use in the building of a client-oriented web application
- Research and describe solutions to customer requirements through a web development capstone project

Completion of a Technical Skills Assessment is required.

## General Education Requirements

Code	Title	Credits
<b>Written Communication</b>		
Select one of the following:		3.00
ENGL-101	WRITING AND RHETORIC I	
<b>Oral Communication</b>		
Select one of the following:		3.00
COMM-101	FUNDAMENTALS OF ORAL COMMUNICATION	
COMM-203	SMALL GROUP COMMUNICATION	
COMM-204	PUBLIC SPEAKING	
<b>Mathematical Ways of Knowing</b>		
Select one of the following:		3.00-5.00
MATH-123	MATH IN MODERN SOCIETY	
MATH-130	FINITE MATHEMATICS	
MATH-143	COLLEGE ALGEBRA	
MATH-147	COLLEGE ALGEBRA AND TRIGONOMETRY (or MATH-147A & MATH-147B)	
MATH-153	STATISTICAL REASONING	
MATH-170	CALCULUS I	
MATH-253	STATISTICAL METHODS FOR THE SCIENCES	
MATH-257	MATHEMATICS FOR ELEMENTARY TEACHERS II	
MTHPT-130	FINITE MATHEMATICS	
MTHPT-137	MATH FOR TECHNOLOGY	
MTHPT-153	STATISTICAL REASONING	
<b>Social &amp; Behavioral Ways of Knowing</b>		
Select one of the following:		3.00
ANTH-102	CULTURAL ANTHROPOLOGY	
ANTH-120	WORLD PREHISTORY	
ANTH-170	INTRODUCTION TO NATIVE AMERICAN STUDIES	
ECON-201	PRINCIPLES OF MACROECONOMICS	
ECON-202	PRINCIPLES OF MICROECONOMICS	
GEOG-102	INTRODUCTION TO GEOGRAPHY	
HIST-101	WORLD HISTORY I	
HIST-102	WORLD HISTORY II	
HIST-111	UNITED STATES HISTORY I	

HIST-112	UNITED STATES HISTORY II
HRPT-184	DIVERSITY IN ORGANIZATIONS
HRPT-185	HUMAN RELATIONS IN ORGANIZATIONS
POLS-101	AMERICAN NATIONAL GOVERNMENT
POLS-237	INTERNATIONAL POLITICS
POLS-285	COMPARATIVE GOVERNMENT
PSYC-101	INTRODUCTION TO GENERAL PSYCHOLOGY
PSYC-205	LIFESPAN DEVELOPMENTAL PSYCHOLOGY
SOC-101	INTRODUCTION TO SOCIOLOGY
SOC-102	SOCIAL PROBLEMS
SS-184	DIVERSITY IN ORGANIZATIONS
SS-185	HUMAN RELATIONS IN ORGANIZATIONS

**Additional General Education Core**

Select one of the following: 3.00

ART-100	INTRODUCTION TO ART
BIOF-100	INTRODUCTION TO BIOINFORMATICS
BIOL-100	CONCEPTS OF BIOLOGY
BIOL-120	PLANTS AND PEOPLE
BIOL-123	BIOLOGY IN FILM
BIOL-175	HUMAN BIOLOGY
BIOL-227	HUMAN ANATOMY AND PHYSIOLOGY I
CHEM-100	CONCEPTS OF CHEMISTRY
CHEM-105	GENERAL, ORGANIC AND BIOCHEMISTRY
CHEM-111	PRINCIPLES OF CHEMISTRY I
CITPT-108	INTRODUCTION TO COMPUTER SCIENCE
CS-108	INTRODUCTION TO COMPUTER SCIENCE
ENGL-175	LITERATURE AND IDEAS
ENGL-257	WORLD CLASSICS
ENGL-258	INTERNATIONAL LITERATURE
ENGL-261	MYTHOLOGIES
FSCI-101	INTRODUCTION TO FORENSIC SCIENCE
GEOL-101	PHYSICAL GEOLOGY
GEOL-120	INTRODUCTION TO EARTH SYSTEMS
GIS-271	GEOGRAPHIC INFORMATION SYSTEMS
HUM-101	THE ART AND HISTORY OF THE MOTION PICTURE
HUM-150	INTRODUCTION TO THE ARTS
ID-240	INTEGRATED SCIENCE II
ID 300A - 300V (see course descriptions for options)	
ID-301A	HELLS CANYON INSTITUTE
KIN-220	SOCIAL-CULTURAL ASPECTS OF SPORTS
MUS-101	SURVEY OF MUSIC
MUS-102	MUSIC IN AMERICA
MUS-150	WORLD MUSIC
MUS-151	HISTORY OF MUSICAL THEATER
NP-101	ELEMENTARY NEZ PERCE LANGUAGE I
NP-102	ELEMENTARY NEZ PERCE LANGUAGE II
NS-140	INTEGRATED SCIENCE I
NS-150	INTRODUCTION TO NATURAL SCIENCES
NS-174	NATURAL SCIENCE FOR ELEMENTARY EDUCATOR
PHYS-111	GENERAL PHYSICS I
or PHYS-112	GENERAL PHYSICS II
PHYS-171	PHYS SCIENCES FOR ELEMENTARY EDUCATORS

PHYS-205	DESCRIPTIVE ASTRONOMY
PHYS-211	ENGINEERING PHYSICS I
SPAN-101	ELEMENTARY SPANISH I
SPAN-102	ELEMENTARY SPANISH II
SPAN-201	INTERMEDIATE SPANISH I
SPAN-202	INTERMEDIATE SPANISH II
THEA-101	SURVEY OF THE THEATER

**Total Credits** 15.00

## Program Requirements

Code	Title	Credits
CITPT-101	INTRODUCTION TO WEB DESIGN & DEVELOPMEN	3.00
CITPT-111/311	WEB DEVELOPMENT BASICS	3.00
CITPT-112/312	FUNDAMENTALS OF COMPUTER PROGRAMMING	3.00
CITPT-117/317	WEB DESIGN FUNDAMENTALS	3.00
CITPT-175/375	INTERACTIVE WEB SCRIPTING	3.00
CITPT-180/380	PORTFOLIO DESIGN	3.00
CITPT-265/465	IMAGE EDITING AND ILLUSTRATION	3.00
CITPT-275/475	WEB AUTHORING SYSTEMS	3.00
CITPT-280/480	WEB DEVELOPMENT CAPSTONE	3.00
CITPT-294A	INTERNSHIP IN COMPUTER INFORMATION TECHNOLOGY I	3.00
Select 15 credits from subject CITPT		15.00
Completion of a Technical Skills Assessment is required		
<b>Total Credits</b>		<b>45.00</b>

## Sequential Plan of Study

Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
CITPT-101	INTRODUCTION TO WEB DESIGN & DEVELOPMEN	3.00
CITPT-111	WEB DEVELOPMENT BASICS	3.00
CITPT-117	WEB DESIGN FUNDAMENTALS	3.00
ENGL-101	WRITING AND RHETORIC I	3.00
Program Requirement	Select CITPT course	3.00
<b>Credits</b>		<b>15.00</b>
<b>Spring</b>		
CITPT-112	FUNDAMENTALS OF COMPUTER PROGRAMMING	3.00
CITPT-265	IMAGE EDITING AND ILLUSTRATION	3.00
CITPT-275	WEB AUTHORING SYSTEMS	3.00
CORE	Mathematical Ways of Knowing	3.00
CORE	Oral Communication	3.00
<b>Credits</b>		<b>15.00</b>
<b>Second Year</b>		
<b>Fall</b>		
CITPT-175	INTERACTIVE WEB SCRIPTING	3.00
CITPT-180	PORTFOLIO DESIGN	3.00
CORE	Additional General Education Course	3.00
Program Requirement	Select CITPT course	3.00
Program Requirement	Select CITPT course	3.00
<b>Credits</b>		<b>15.00</b>
<b>Spring</b>		
CITPT-280	WEB DEVELOPMENT CAPSTONE	3.00

CITPT-294A	INTERNSHIP IN COMPUTER INFORMATION TECHNOLOGY I	3.00
CORE	Social & Behavioral Ways of Knowing	3.00
Program Requirement	Select CITPT course	3.00
Program Requirement	Select CITPT course	3.00
<b>Credits</b>		<b>15.00</b>
<b>Total Credits</b>		<b>60.00</b>

Graduates from Web Design and Development programs go on to obtain careers in a variety of fields:

- Web Developer/Manager/Specialist/Coordinator/Administrator
- Web Designer
- Frontend Developer
- Backend Developer
- UI Designer/UX Developer
- Content Strategist

Please check the U.S. Bureau of Labor Statistics website for more information about these careers.